

Datasheet for ABIN3044102
anti-GATA2 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	GATA2
Binding Specificity:	AA 46-60, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GATA2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-GATA2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human GATA2, identical to the related rat and mouse sequences.
Sequence:	DVFFNHLD SQ GNPYY
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GATA2 Antibody (ABIN3044102). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: GATA2

Alternative Name: GATA2 ([GATA2 Products](#))

Background: Synonyms: Endothelial transcription factor GATA-2,GATA-binding protein 2,GATA2,
Tissue Specificity: Endothelial cells.

Background: GATA2 (GATA binding protein 2) is a human gene which makes a protein called GATA binding protein 2 - a transcription factor. The GATA family of transcription factors, which contain zinc fingers in their DNA binding domain, have emerged as candidate regulators of gene expression in hematopoietic cells. Ciciotte et al. (1997) mapped the mouse Gata2 gene to chromosome 6 by study of DNA from an interspecific backcross panel. They pointed out that the human gene had been mapped to chromosome 3 by Dorfman et al. (1992) using DNA from a panel of 12 rodent/human hybrids containing various human chromosomes and applying Southern blot analysis. By exon trapping using a PAC contig spanning a breakpoint region associated with myeloid leukemia, Wieser et al. (2000) mapped the GATA2 gene to chromosome 3q21. GATA2 is transcribed from telomere to centromere. GATA2 is expressed in hematopoietic progenitors, including early erythroid cells, mast cells, and megakaryocytes, and also in nonhematopoietic embryonic stem cells.

Sequence Similarities: Contains 2 GATA-type zinc fingers.

Molecular Weight: 95 kDa

UniProt: [P23769](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Rat, Mouse

1. Ciciotte, S. L., Tsai, F.-Y., Peters, L. L. Gata2 maps to mouse chromosome 6. Mammalian Genome 8: 69-70, 1997. 2. Dorfman, D. M., Wilson, D. B., Bruns, G. A., Orkin, S. H. Human transcription factor GATA-2: evidence for regulation of preproendothelin-1 gene expression in endothelial cells. J. Biol. Chem. 267: 1279-1285, 1992. 3. Wieser, R., Volz, A., Vinatzer, U., Gardiner, K., Jager, U., Mitterbauer, M., Ziegler, A., Fonatsch, C. Transcription factor GATA-2 gene is located near 3q21 breakpoints in myeloid leukemia. Biochem. Biophys. Res. Commun. 273: 239-245, 2000.

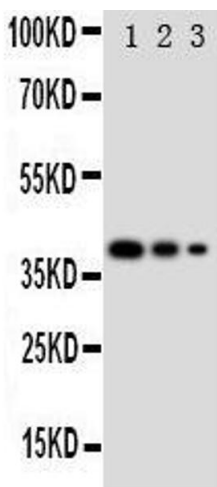
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Lane 3: Recombinant Human GATA2 Protein 2.5ng